

Custodial, Labor and Trades Branch
Skilled Trades Group
Electrician Series

INDUSTRIAL ELECTRICIAN

05/88

CHARACTERISTICS OF THE CLASS:

Under general supervision, performs and supervises a variety of highly skilled industrial electrical and high voltage maintenance and repair work; performs electrical construction and other related work as required.

EXAMPLES OF DUTIES:

Performs electrical maintenance work of in a municipal complex, installation or department; engages in electrical maintenance or construction work related to traffic signals, street lights, runway lighting, water or sewer plants, distribution systems, ball fields, tennis courts, parks and playgrounds.

Troubleshoots high voltage circuits and industrial equipment to determine the cause of electrical failures; repairs and installs electrical equipment, magnetic starters, fuses, control panels, fixtures, lights, lamps and bulbs; supervises helpers and other electricians engaged in maintenance work; orders equipment, material and supplies; estimates costs, records, time and materials; prepares and submits reports.

MINIMUM QUALIFICATIONS:

Training and Experience: Graduation from high school or G.E.D., completion of Journey Electrician Training and two years journey level experience at least one of which must have been in commercial or industrial electrical maintenance; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Considerable knowledge of troubleshooting methods in electrical maintenance and electrical theory; considerable knowledge of the material, tools and techniques used in electrical maintenance and repair; considerable knowledge of the hazards and safety precautions of the trade; good knowledge of the electrical code.

Ability to understand and use schematics, wiring diagrams, technical manuals, electrical construction plans and specifications; ability to establish and maintain effective working relationships with fellow employees; ability to express oneself clearly and concisely, both orally and in writing; ability to maintain logs and records and prepare reports.

Skill in the use and care of hand tools, power equipment and testing devices of the trade; journeyman electrician skill.

Physical Requirements: Mobility within a construction or industrial environment; lift and carry heavy objects (up to 50 pounds) ; climb ladders; work in high places or confined underground vaults; operate a heavy commercial vehicle through city traffic.

Licenses and Certificates: City Journey man Electrician License; must be able to obtain City Maintenance Electrician's License within one year of appointment; Texas Class "B" Driver's License or an equivalent license issued by another state

Director of Personnel

Department Head